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Patty Northrop

**Patent Application  
Attorney Docket No. D/99679QD**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Inventor(s): Dinh, et al.

Application No.: to be assigned

Filed:

Examiner: to be assigned

Art Unit: to be assigned

Title: **IMMERSION COATING SYSTEM**

Commissioner for Patents  
Washington, D.C. 20231

Sir:

**PRELIMINARY AMENDMENT**

Please cancel original claims 1-12 and add the following new claims:

14. A coating process according to claim 13 wherein the coating liquid is withdrawn with a metering pump at a rate to equal a pull rate of 100 millimeters per minute.

15. A coating process according to claim 13 wherein the coating liquid deposited on the cylinder is dried at 120°C for 20 minutes.

16. A coating process according to claim 13 wherein the coating liquid deposited on the cylinder is dried at 110°C for 30 minutes.

17. A coating process according to claim 13 wherein the coating liquid is withdrawn with a metering pump at a rate to equal a pull rate of 250 millimeters per minute.

18. A coating process according to claim 13 wherein the outer surface of the hollow cylinder is separated from the vertical interior surface of the vessel by a gap space from about 10 millimeters to about 5 centimeters.

19. A coating process according to claim 13 wherein the outer surface of the hollow cylinder is separated from the vertical interior surface of the vessel by a gap space from about 10 millimeters to about 3 centimeters.

20. A coating process according to claim 13 wherein the outer surface of the hollow cylinder is separated from the vertical interior surface of the vessel by a gap space from about 8 millimeters to about 10 millimeters.

21. A coating process according to claim 13 wherein the outer surface of the hollow cylinder is separated from the vertical interior surface of the vessel by a gap space of about 10 millimeters.

22. A coating process according to claim 13 wherein the coating liquid is an undercoat layer coating solution.

23. A coating process according to claim 22 wherein the undercoat layer coating solution comprises from about 6.7 percent by weight polyamide film forming polymer and about 93.3 percent by weight of a mixture of methol/n-butanol/water in a proportion of about 9/4/1, respectively.

24. A coating process according to claim 13 wherein the coating liquid is a charge generating layer coating solution.

25. A coating process according to claim 24 wherein the charge generating layer coating solution comprises

- a) about 2 percent by weight hydroxy gallium phthalocyanine;
- b) about 1 percent by weight of a terpolymer of vinyl acetate, vinyl chloride, and maleic acid or a terpolymer of vinylacetate, vinylalcohol and hydroxyethylacrylate; and
- c) about 97 percent by weight of cyclohexanone.

26. A coating process according to claim 13 wherein the coating liquid is a charge transport layer coating solution.


27. A coating process according to claim 26 wherein the charge transport layer coating solution comprises

- a) about 7 percent by weight polyarylamine,
- b) about 13 percent by weight polycarbonate film forming polymer; and
- c) about 80 percent by weight of a mixture of monochlorobenzene and tetrahydrofuran.

28. An apparatus comprising a charging component, an imaging component, a development component, a transfer component, and wherein the process of claim 13 is accomplished.

In the event the Examiner considers personal contact advantageous to the disposition of this case, the Examiner is hereby authorized to call Applicant's Attorney, Robert Thompson, at Telephone Number (716) 423-2050, Rochester, New York.

Respectfully submitted,

  
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June 28, 2001  
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**VERSION WITH MARKINGS TO SHOW CHANGES MADE:**

Claims 1-12 are cancelled.

Claims 14-28 are new claims.